

Title (en)

MOBILITY MANAGEMENT IN COMMUNICATION NETWORKS

Title (de)

MOBILITÄTSVERWALTUNG IN KOMMUNIKATIONSNETZWERKEN

Title (fr)

GESTION DE MOBILITÉ DANS DES RÉSEAUX DE COMMUNICATION

Publication

EP 2022287 B1 20160810 (EN)

Application

EP 07764534 A 20070515

Priority

- EP 2007004331 W 20070515
- EP 06010864 A 20060526
- EP 07764534 A 20070515

Abstract (en)

[origin: EP1860904A1] The invention relates to a method for tracking locations of mobile terminals in a communication network. Further, the invention relates to a communication network and apparatuses therein capable of performing individual steps of the method according to different embodiments of the invention. To decrease the signaling load imposed by mobility related signaling the invention suggests to group mobile terminals in so called mobility groups and to reduce the signaling overhead by performing a location update on a per-mobility group basis. In one exemplary embodiment of the invention this is realized by only one of the mobile terminals in a mobility group sending a group location update on behalf of the group to trigger the location update for the mobility group. Alternatively, in another embodiment of the invention, a network operator trusted or controlled entity sends a group location update on behalf of the group to trigger the location update for the mobility group.

IPC 8 full level

H04W 8/08 (2009.01); **H04W 4/08** (2009.01); **H04W 60/04** (2009.01)

CPC (source: EP US)

H04W 8/08 (2013.01 - EP US); **H04W 4/08** (2013.01 - EP US); **H04W 60/04** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1860904 A1 20071128; EP 2022287 A1 20090211; EP 2022287 B1 20160810; JP 2009538583 A 20091105; JP 5133982 B2 20130130; US 2010056175 A1 20100304; US 8369876 B2 20130205; WO 2007137703 A1 20071206

DOCDB simple family (application)

EP 06010864 A 20060526; EP 07764534 A 20070515; EP 2007004331 W 20070515; JP 2009512449 A 20070515; US 30226207 A 20070515